

Figure 1

SCALABLE FLOW-BASED APPLICATION
AND SUBSCRIBER TRAFFIC CONTROL
DOCKET NO.: 026215-00006
Kurt A. DOBBINS et al.

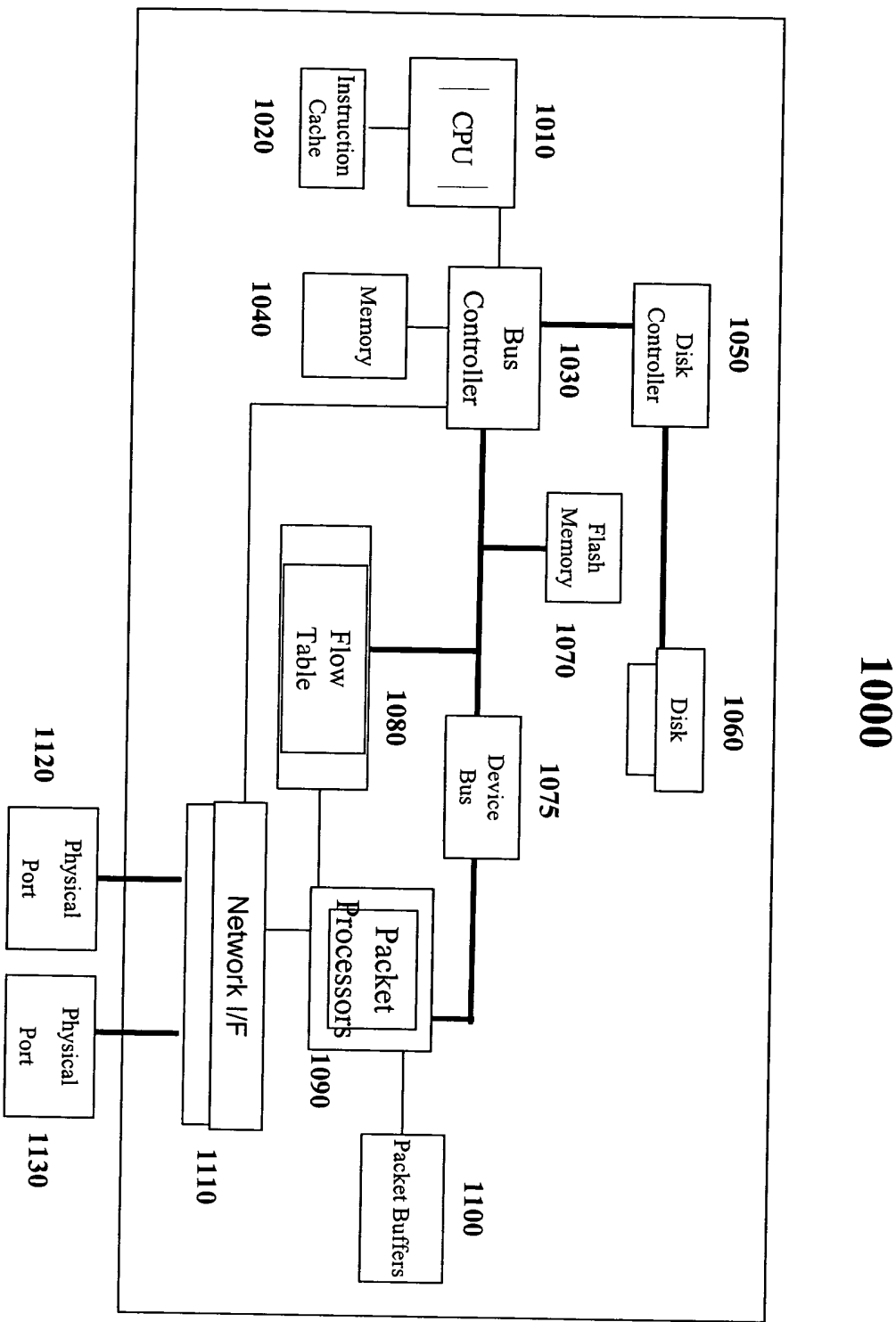


Figure 2

SCALABLE FLOW-BASED APPLICATION
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2000

	2010	2020	2030	2040	2050	2060	2070	2075
	In I/F	Src IP	Dst IP	Src App	Dst App	Out I/F	Action	Service
2080	1	171.12.16.1	192.168.1.1	TCP:80	TCP:80	2	Allow	ProfileN
2090	2	192.168.1.1	171.12.16.1	TCP:80	TCP:80	1	Allow	ProfileN
2000	1	171.12.16.1	192.168.1.2	TCP:80	TCP:80	2	Allow	Profile1
2110	2	192.168.1.2	171.12.16.1	TCP:80	TCP:80	1	Allow	Profile1
2120	1	171.12.16.1	192.168.1.3	TCP:80	TCP:80	2	Allow	Profile1
2130	2	192.168.1.3	171.12.16.1	TCP:80	TCP:80	1	Allow	Profile1
2140	1	171.12.16.1	192.168.1.4	TCP:80	TCP:80	2	Allow	Profile1
2150	2	192.168.1.4	171.12.16.1	TCP:80	TCP:80	1	Allow	Profile1
2160	1	171.12.16.1	192.168.1.5	TCP:80	TCP:80	2	Deny	
2170	2	192.168.1.5	171.12.16.1	TCP:80	TCP:80	1	Deny	

Figure 3

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3000

3010 3020 3030

	Address	Granularity Mask	Result for Flow Key Address
3040	171.12.16.1	FF.FF.FF.0	171.12.16.0
3050	192.168.0.0	0.0.0.0	0.0.0.0
3060	7.8.9.10	FF.FF.FF.FF	7.8.9.10
3070	0.0.0.0	0.0.0.0	0.0.0.0

Figure 4

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4000

4010

4020

4030

Application Port	Granularity Mask	Result for Flow Key Application Port
TCP:0080	00FF	TCP:0080
TCP:0000	0000	TCP:0000

4040

4050

Figure 5

SCALABLE FLOW-BASED APPLICATION
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5000

	5010	5020	5030	5040	5050	5060	5070	5080
	In I/F	Src IP	Dst IP	Src App	Dst App	Out I/F	Action	Service
5080	1	171.12.16.0	0.0.0.0	0	TCP:80	2	Allow	ProfileN
5090	2	0.0.0.0	171.12.16.0	TCP:80	0	1	Allow	ProfileM
5100	1	0.0.0.0	0.0.0.0	0	0	2	Deny	Log
5110	2	0.0.0.0	0.0.0.0	0	0	1	Deny	Log

Figure 6

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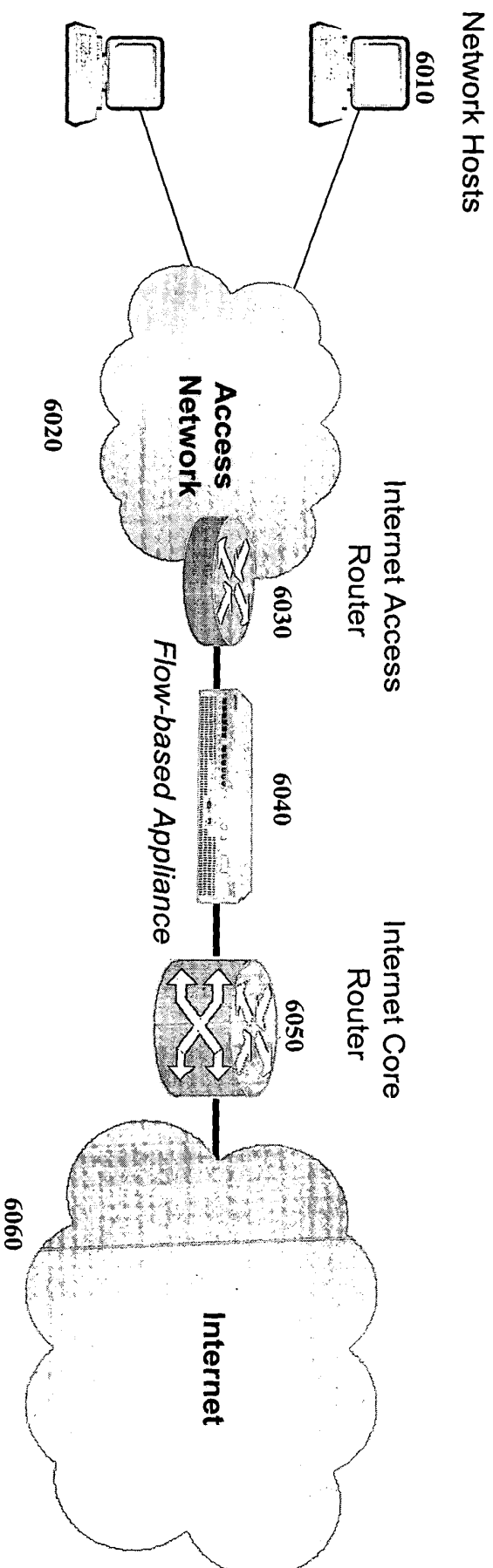


Figure 7

SCALABLE FLOW-BASED APPLICATION
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